

REMARKS

Applicants respectfully traverse the rejection of Claims as lacking novelty. Amended claim 1 relates to a thin film device which comprises a metal sulfide layer composed of one of a manganese sulfide (MnS), magnesium sulfide (MgS), and calcium sulfide (CaS), which is formed on a single crystal silicon substrate by epitaxial growth and a thin film of a compound with ionic bonding, which is formed on the metal sulfide layer by epitaxial growth.

In contrast, Chikyow [sic] (US 6888156) discloses a thin film comprising an n-type Si single crystal, a ZB-ZnS layer deposited on the n-type Si single crystal, and a SrTiO₃ layer deposited on the ZB-ZnS layer. Kawasaki (EP 1271626) discloses a thin a GaN emitting diode device comprising a Si single crystal substrate, a W-ZnS layer deposited on the Si single crystal substrate, and an n-type GaN layer deposited on the W-ZnS layer. Further, Muroki (JP 362181483) discloses a laser element comprising N-Si single crystal wafer, a ZnS film deposited on the N-Si single crystal wafer, and an ITO film on the ZnS film.

However, Chikyow, Kawasaki, and Muroki do not individually—or in combination---disclose the metal sulfide layer of Claim 1-- one of a manganese sulfide (MnS), magnesium sulfide (MgS), or calcium sulfide (CaS). Therefore, claim 1 is novel over Chikyow (US 6888156), Kawasaki (EP 1271626), and Muroki (JP 362181483). Please see MPEP Section 2131; that section indicates that a reference applied as anticipatory must disclose each and every element of the claim(s) under scrutiny. The applied references do not satisfy that standard.

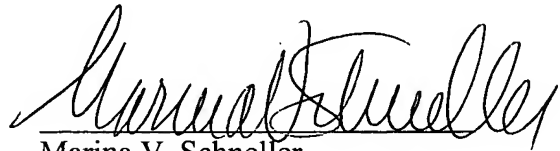
Applicants respectfully traverse the rejection under 35 USC 102(f). The description of the reference is not the subject matter of the claims, presented herein. Accordingly, the information in the reference is not adequate to support such a rejection. As an independent issue, the applicants' Japanese representatives have indicated that the spelling of the inventor's name "Chikyo" is correct in the instant application; that the spelling of Chikyo in the U.S. Patent 6888156 is incorrect; and the person designated Chikyo in the instant application and as Chikyow in U.S. 6888156 are one and the same.

Applicants respectfully traverse the double patenting rejection. Examination of the claims reveals that there is no one-way and there is no two-way infringement of the claims of each patent or application by one device.: Specifically, a device which would infringe the claims of the U.S. Patent would not infringe the instant claims; and a device which would infringe the present claims [if issued] would not infringe the claims of the U.S. Patent. Please see MPEP Section 804 II Bla.

Reconsideration and an early allowance are respectfully solicited.

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